

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **Takehiko KIKUCHI et al.**

Group Art Unit: 1743

Serial No.: 10/519,255

Filed: **December 27, 2004**

Confirmation No.: 2976

For: **METHOD OF THERMO-MECHANICAL-TREATMENT FOR Fe-Mn-Si
SHAPE-MEMORY ALLOY DOPED WITH NbC**

Attorney Docket Number: 043075

Customer Number: 38834

REQUEST FOR CORRECTED FILING RECEIPT

Mail Stop: Missing Parts

Commissioner for Patents

P. O. Box 1450

Alexandria, VA 22313-1450

Date: July 6, 2005

Sir:

Please supply the undersigned attorney with a corrected filing receipt for the above-identified application. The undersigned also respectfully requests that the Patent and Trademark Office records be amended to reflect the correction.

In reviewing the Official Filing Receipt, we noted the Title was incorrect. The title should read --METHOD OF THERMO-MECHANICAL-TREATMENT FOR **Fe-Mn-Si** SHAPE-MEMORY ALLOY DOPED WITH NbC--. A copy of the **Cover Page of PCT Priority Document** is enclosed which indicates the correct information. We are also enclosing a copy of the filing receipt with the corrections highlighted.

Request for Corrected Filing Receipt

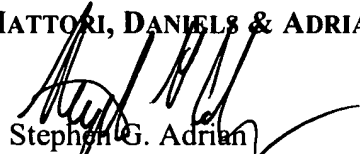
10/519,255

043075

In the event any fees are required in connection with this paper, please charge Deposit
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Respectfully submitted,

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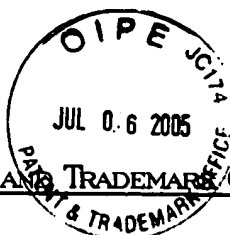
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Enclosures: Official Filing Receipt; Cover Page of PCT Priority Document

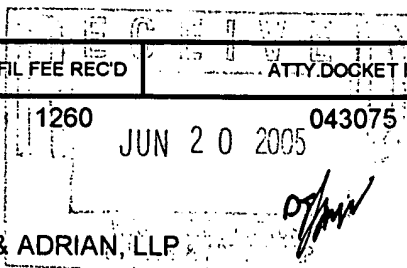


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38834

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CONFIRMATION NO. 2976

FILING RECEIPT



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Date Mailed: 06/15/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

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Assignment For Published Patent Application

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Power of Attorney: The patent practitioners associated with Customer Number 38834.

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This application is a 371 of PCT/JP03/16189 12/17/2003

Foreign Applications

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Non-Publication Request: No

Early Publication Request: No

TitleMethod of thermo-mechanical-treatment for ~~ferro-~~ shape-memory alloy doped with ~~ni-~~

:--Fe-Mn-Si--:

:--NbC--:

Preliminary Class

148

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Title 37, Code of Federal Regulations, 5.11 & 5.15**

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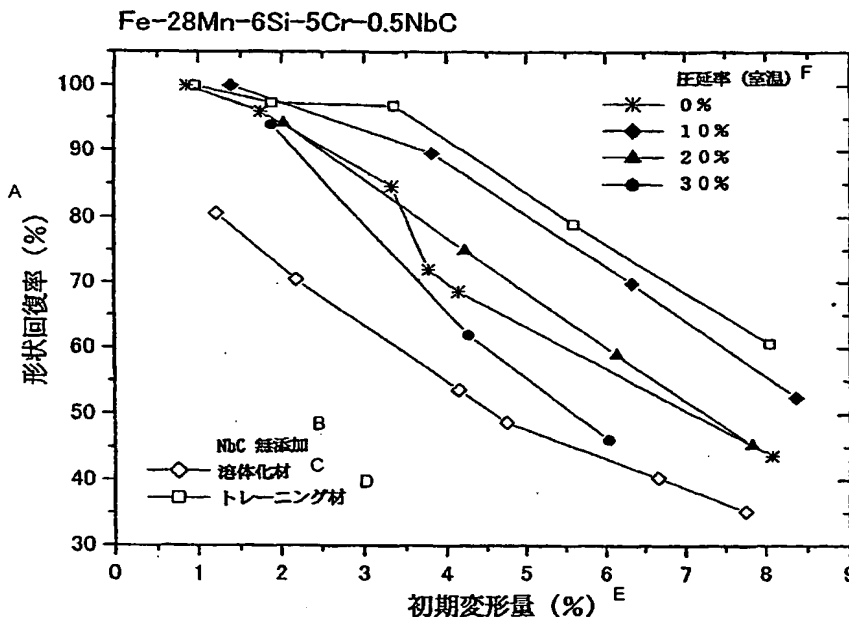
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/続葉有/

(54) Title: METHOD OF THERMO-MECHANICAL-TREATMENT FOR Fe-Mn-Si SHAPE-MEMORY ALLOY DOPED WITH NbC

(54) 発明の名称: NbC 添加 Fe-Mn-Si 系形状記憶合金の加工熱処理方法



A...RATIO OF SHAPE RECOVERY (%)
 B...NbC NONE ADDED
 C...SOLUTION TREATMENT MATERIAL
 D...TRAINING MATERIAL
 E...INITIAL DEFORMATION (%)
 F...ROLLING RATIO (ROOM TEMP.)

(57) Abstract: Means for thermo-mechanical-treatment of an Fe-Mn-Si shape-memory alloy of specified composition doped with NbC comprises performing a mechanical treatment prior to aging treatment at a mechanical treatment ratio falling within a specified range so that the mechanical treatment can be carried out at room temperature, in place of the old method of performing training as a mechanical treatment prior to aging treatment and in place of the prior method of performing a mechanical treatment at 500 to 800°C prior to aging treatment.

/続葉有/